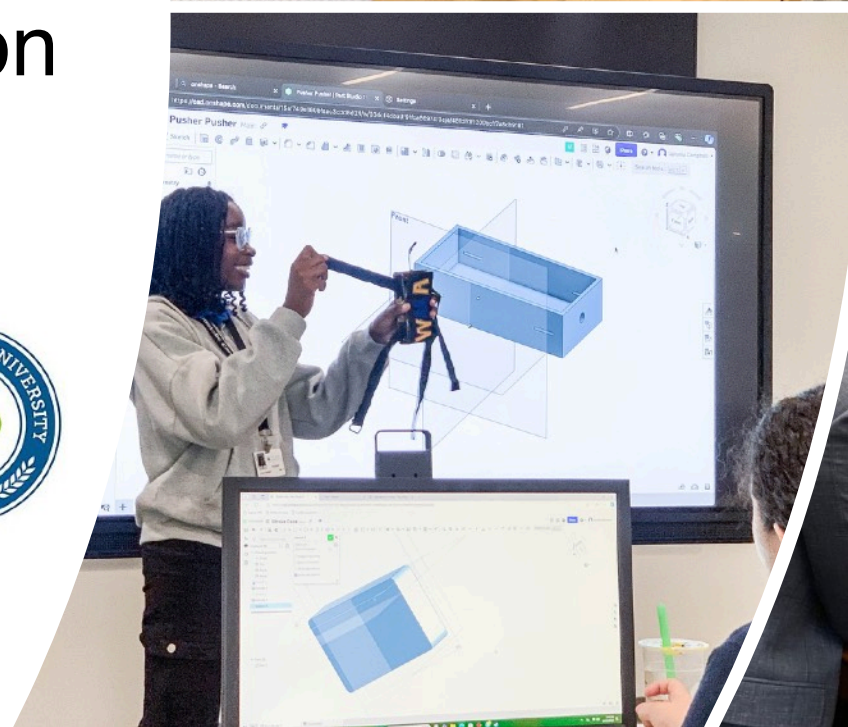
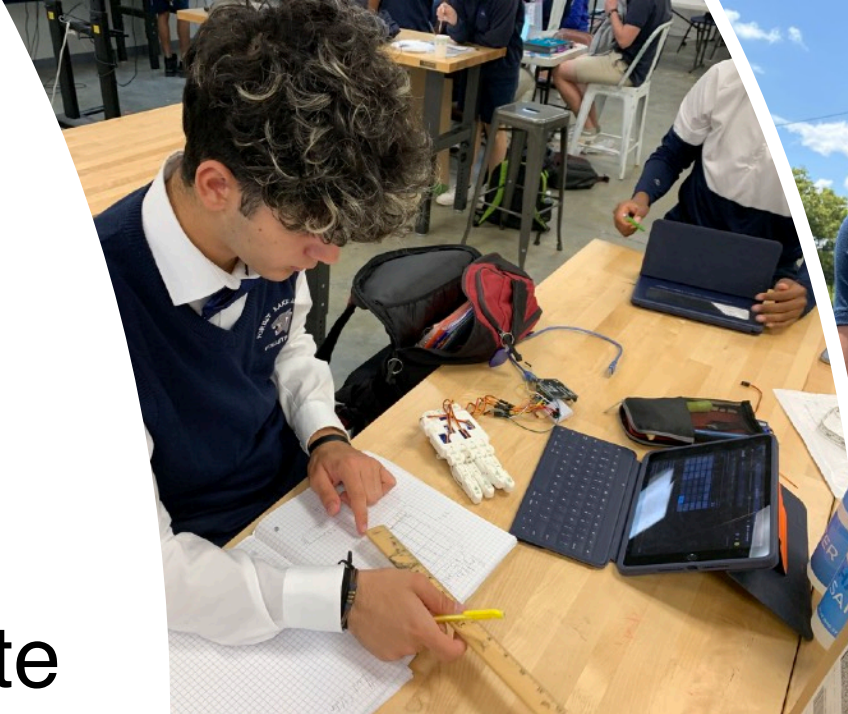


AE4™  
Adventist Education in the  
4th Industrial Revolution

# Florida Conference Institute for Leadership & Innovation



1

6:15  
78°







Hi Michelle,

I wanted to introduce you to Robert Henley, Director of Florida Conference Institute of Innovation, an innovation focused school in Orlando. **He blew me away when he showed me what his high school students are doing around innovation and applied STEM activities. He has his students working on various verticals from research, social innovation, or entrepreneurship and they work to build STEM projects that drive their educational learning. Every one of his freshman students has to build a robotic hand that is controlled through electrical impulses in their arms!** Very impressive stuff and I wanted to make the introduction to you and our admissions team.

**I think there is a good conversation to be had about his students and our Presidential Scholarship at Poly.** We even brought up the possibility of his students being interested in a researched focused scholarship in the future if that ever comes up. Do you mind connecting with Robert and telling him about what our admissions process? I think there could be some good opportunity for partnership or at least working together to build a bridge so his students can easily apply to Poly. **I think any one of his students could win our presidential scholarships and be our ideal students going forward! Thanks Michelle.**

All the Best,

**Justin Heacock**  
Entrepreneurship Center Coordinator  
Florida Polytechnic University



"Even in its early stages, the Innovation Program was a game changer for my son and his circle of friends who participated.

Through the study and hands-on application of the Design Thinking Process, collaboration, and the practice of persistence, he learned valuable life skills that have manifested in his success as an industrial designer who continually makes meaningful contributions to his team. He has been promoted significantly faster than his industry peers.

In a job market that is quickly becoming more competitive and reliant on AI tools, the Innovation Program is the future of Adventist Education."

-Nathan Nazario, VP of Business Development at Digital Brew

# **Vision**

To empower all students to own their learning, shape their dreams, and realize the destiny that God has for their lives.

# **Mission**

To Reimagine Education in the Florida Conference through Innovation.

# FLCOE AE4 Alumni School Admissions



OAKWOOD  
UNIVERSITY



LOMA LINDA  
UNIVERSITY



HOWARD  
UNIVERSITY



FAMU-FSU  
College of Engineering



UNIVERSITY OF  
CENTRAL FLORIDA

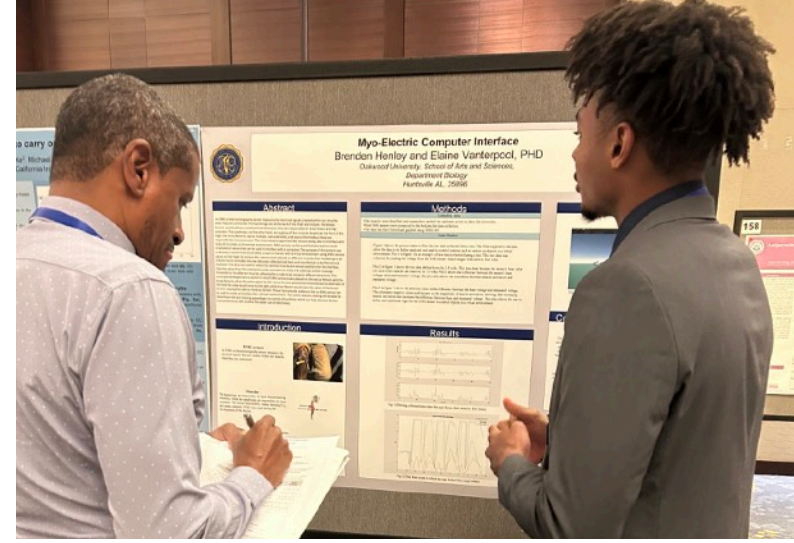




# FLCOE AE4 Partners





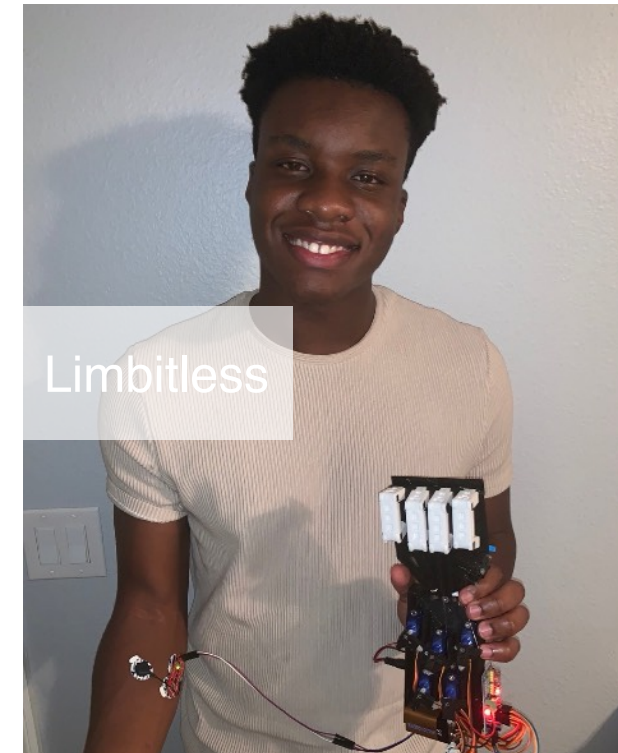
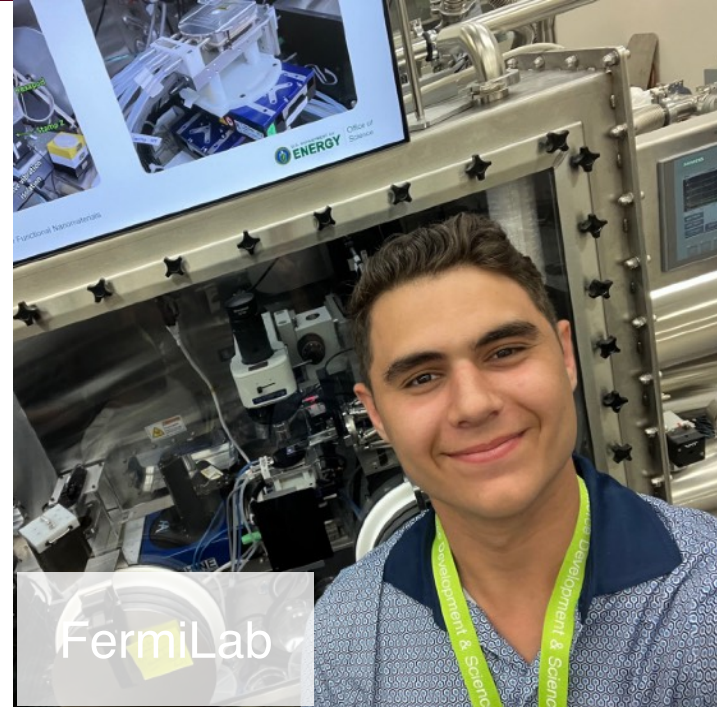


# K-20+ Multi-year STEM+C Pipeline



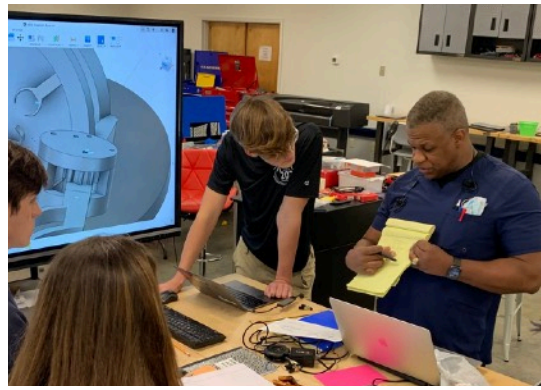


# Internships as College Freshmen



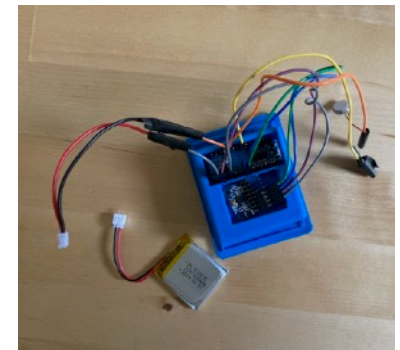
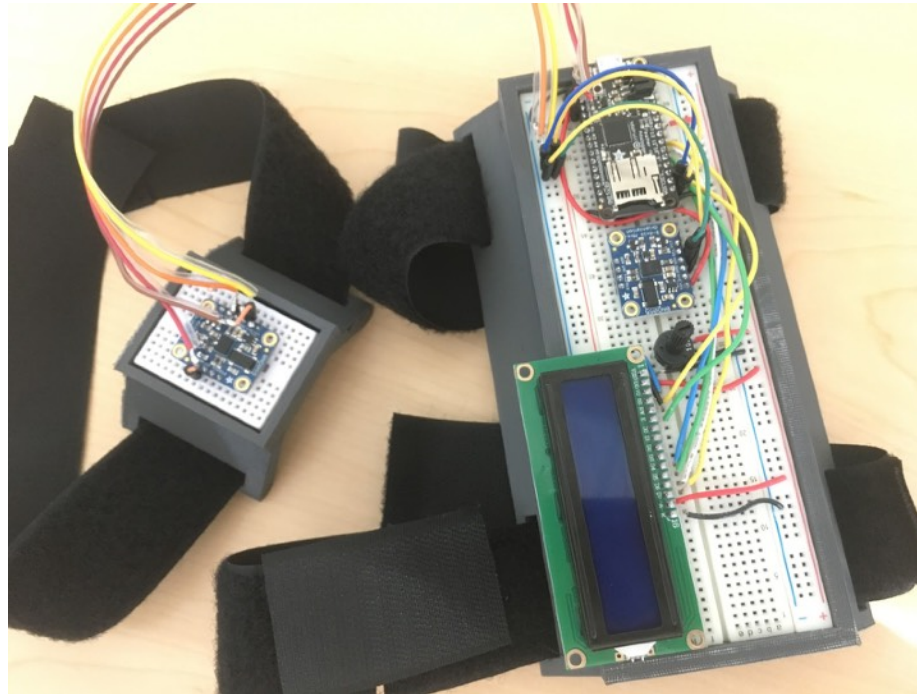
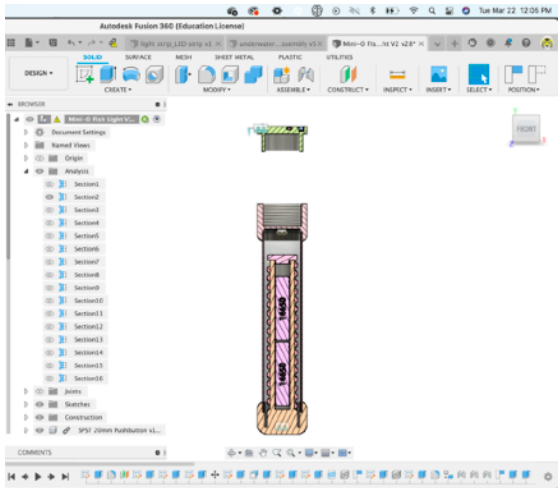
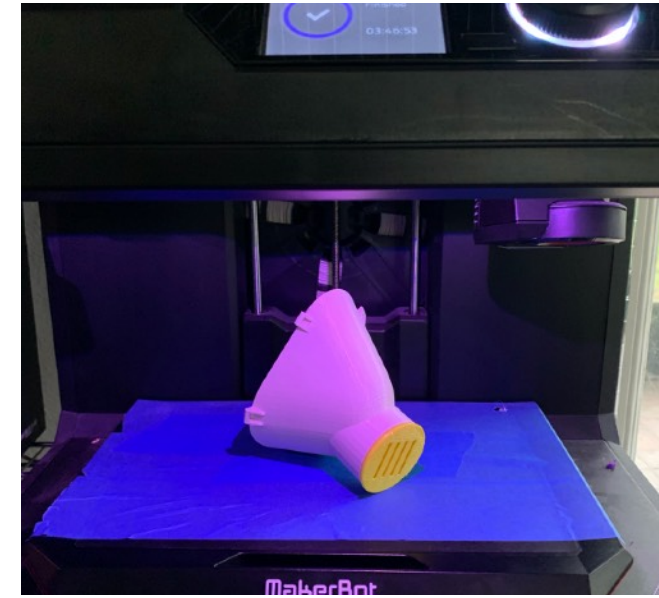
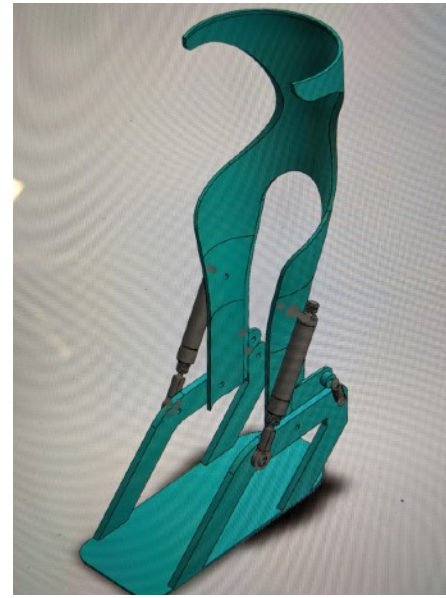
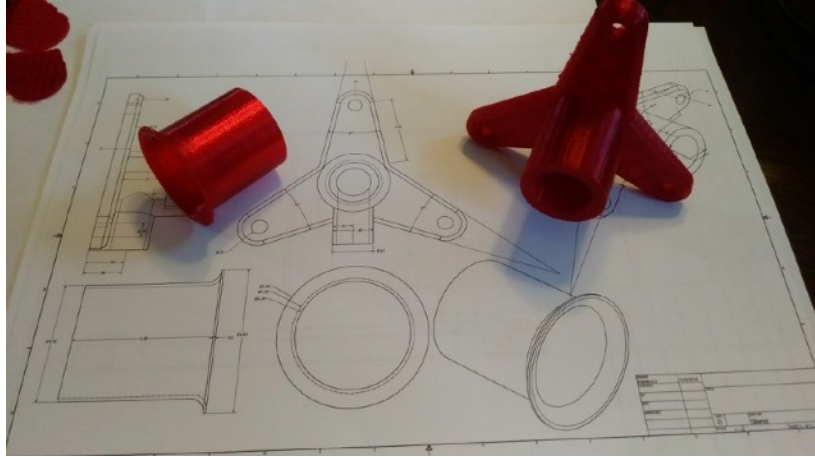


# External Clients





# Student Prototypes



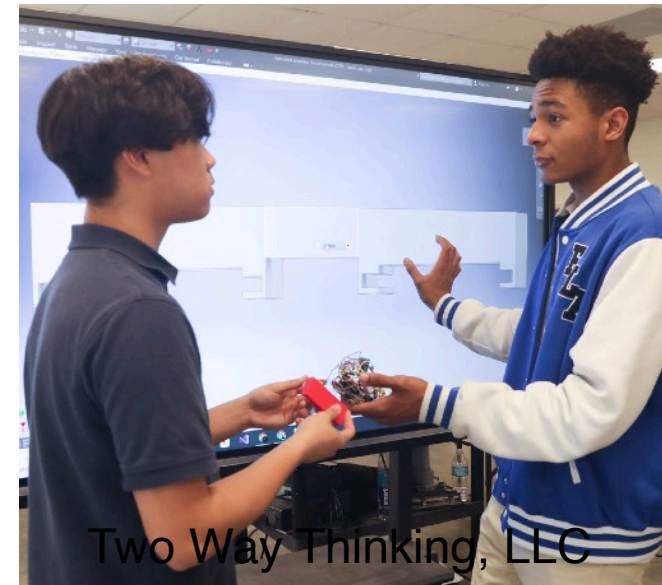




P.O.L.E, LLC



Factus, LLC



Two Way Thinking, LLC

# Entrepreneurship



Blue Ocean



Null Technologies



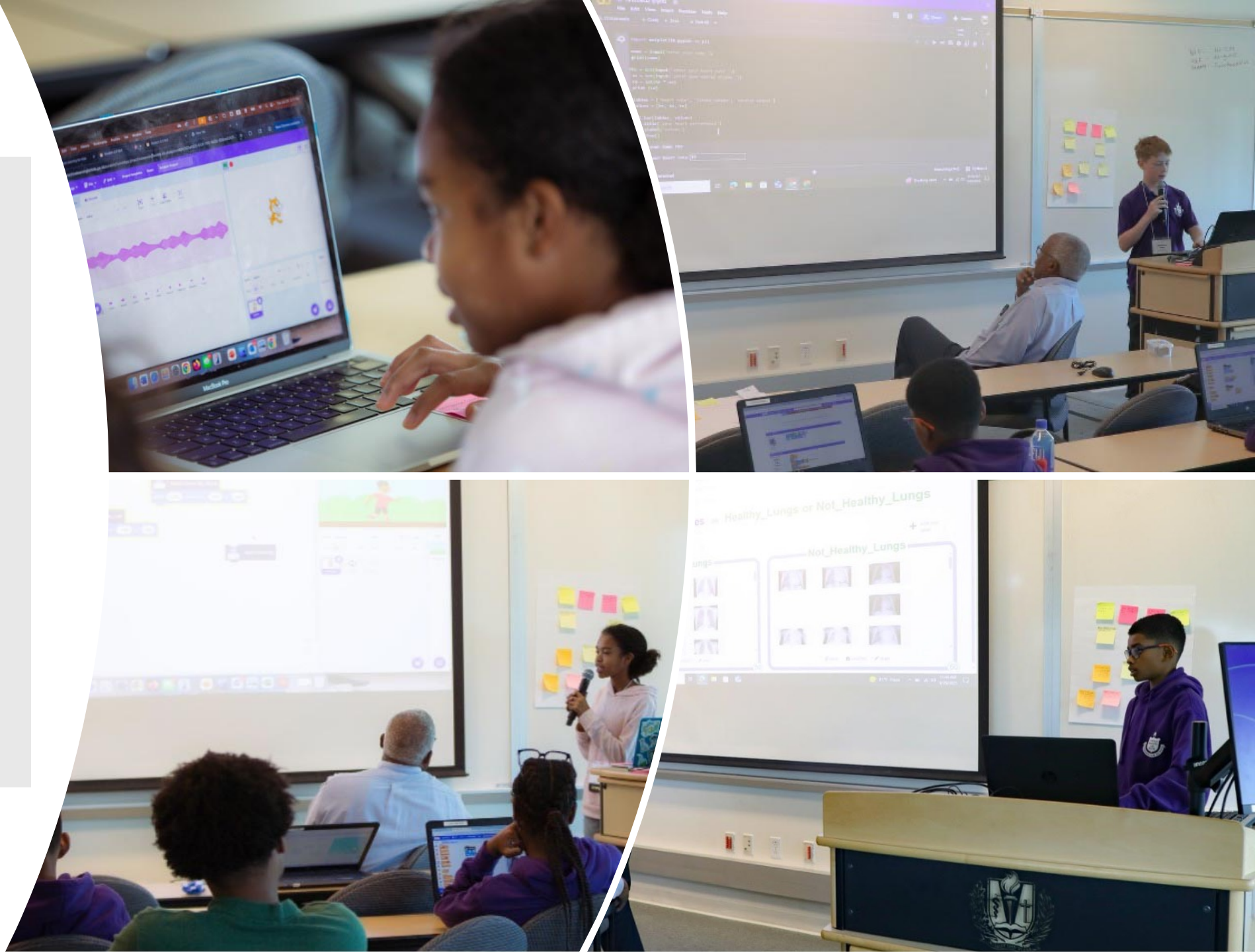
Machado  
Engineering, LLC



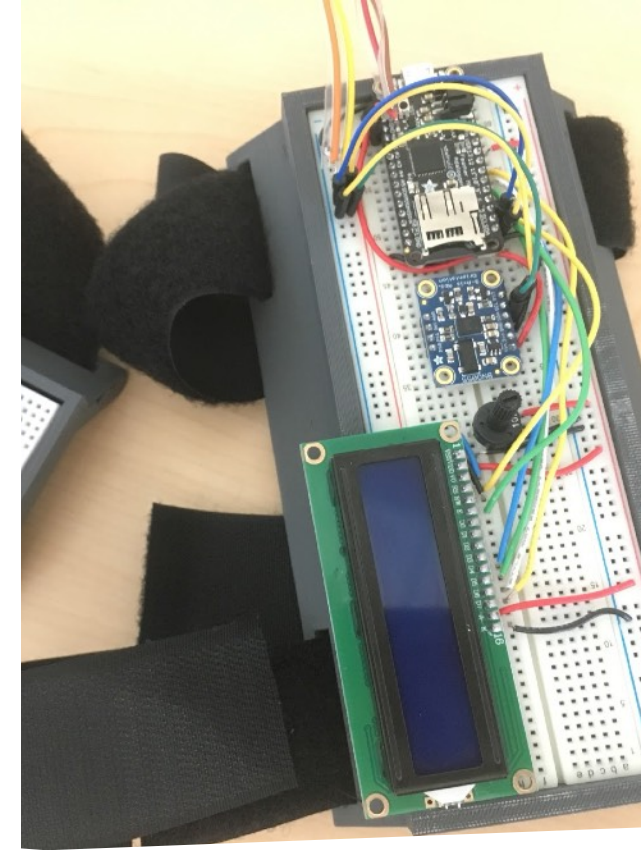
# AI/Machine Learning in HealthCare



LOMA LINDA  
UNIVERSITY







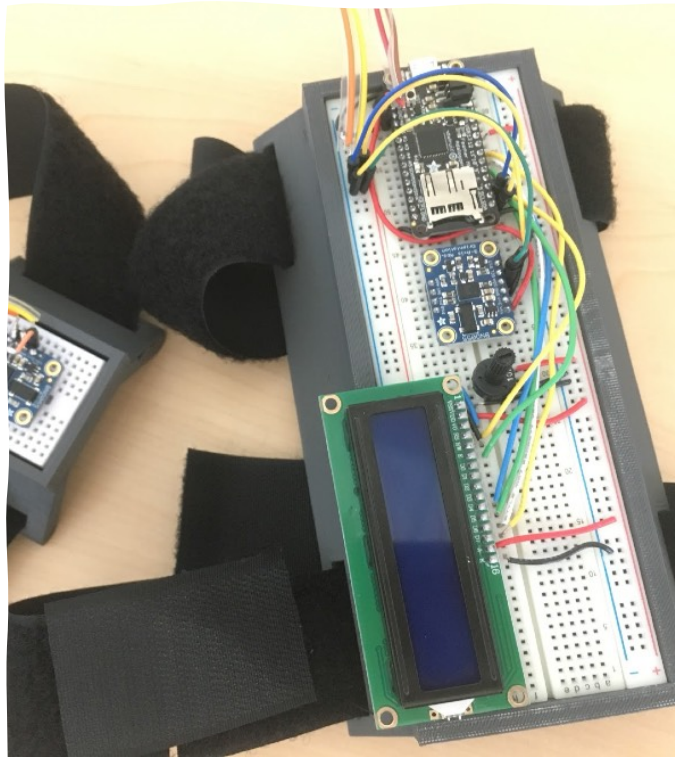
# Loma Linda University EXSEED Student Week & Biomechatronics Collaborationism



LOMA LINDA  
UNIVERSITY



# Biomechatronics & Robotics





# Industry 4.0 Skills

- Prototyping
- AI/Machine Learning
- App Development
- Pitch Deck
- Business Model Canvas
- Web Development
- Physical Computing
- Coding
- CAD
- Industrial Design
- 3D Printing
- Technical Writing/Engineering Notebook

# AE4 Framework



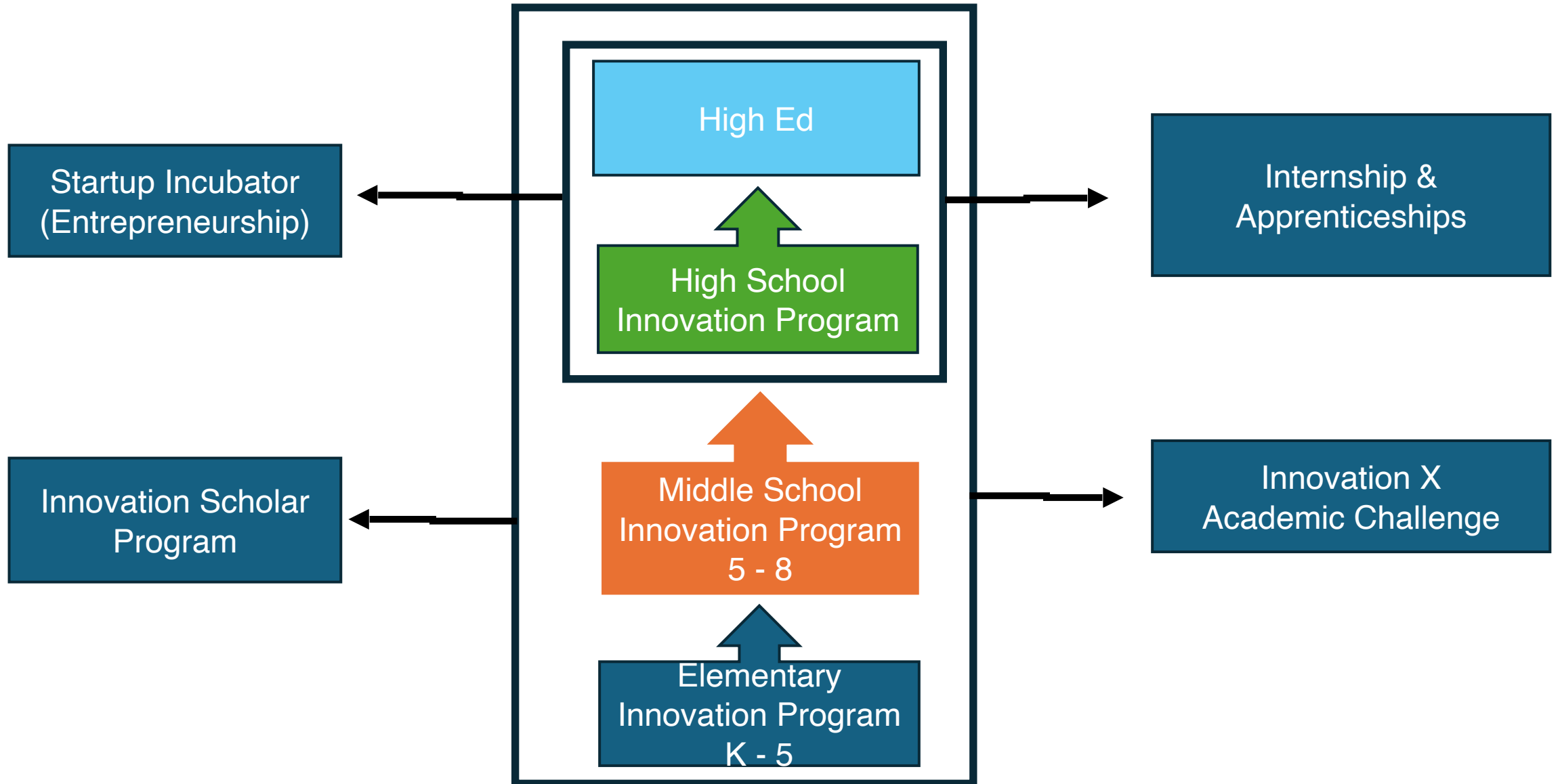
Design  
Thinking

Scrum

Lean Startup

Ventureship

# AE4.0 Innovation Ecosystem





# Innovus , Florida Conference Innovation Center

by the FLCOE Institute for Leadership  
and Innovation







# **Born for this Moment God's Innovation Assignment**





**“Before I formed  
you in the womb I  
knew you, before  
you were born I  
set you apart;  
I appointed you as  
a [leader] to the  
nations.”**

**Jeremiah 1:5**



“A person’s gift  
maketh room for  
them, and  
bringeth them  
before great  
men.”

Proverbs 18:16





“All your children  
will be taught by  
the LORD, and  
great will be their  
peace.”

Isaiah 54:13



# **Born for this Moment God's Innovation Assignment**





# The education of Jesus



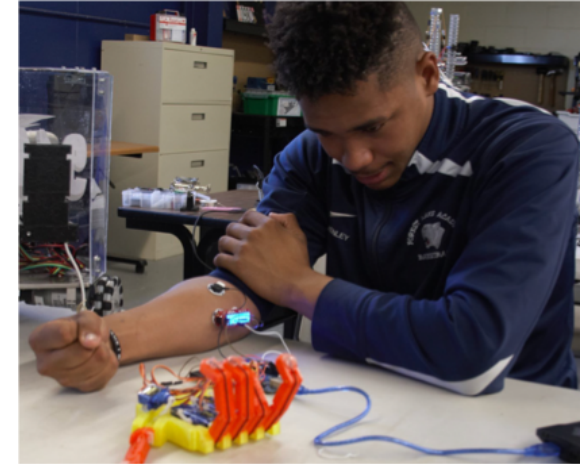
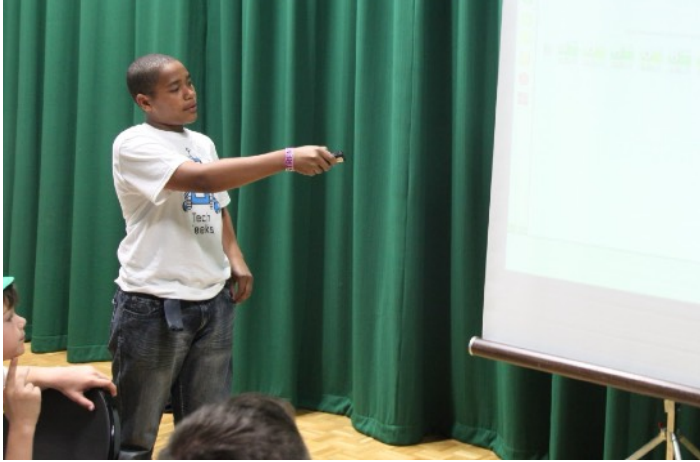


# **Born for this Moment God's Innovation Assignment**

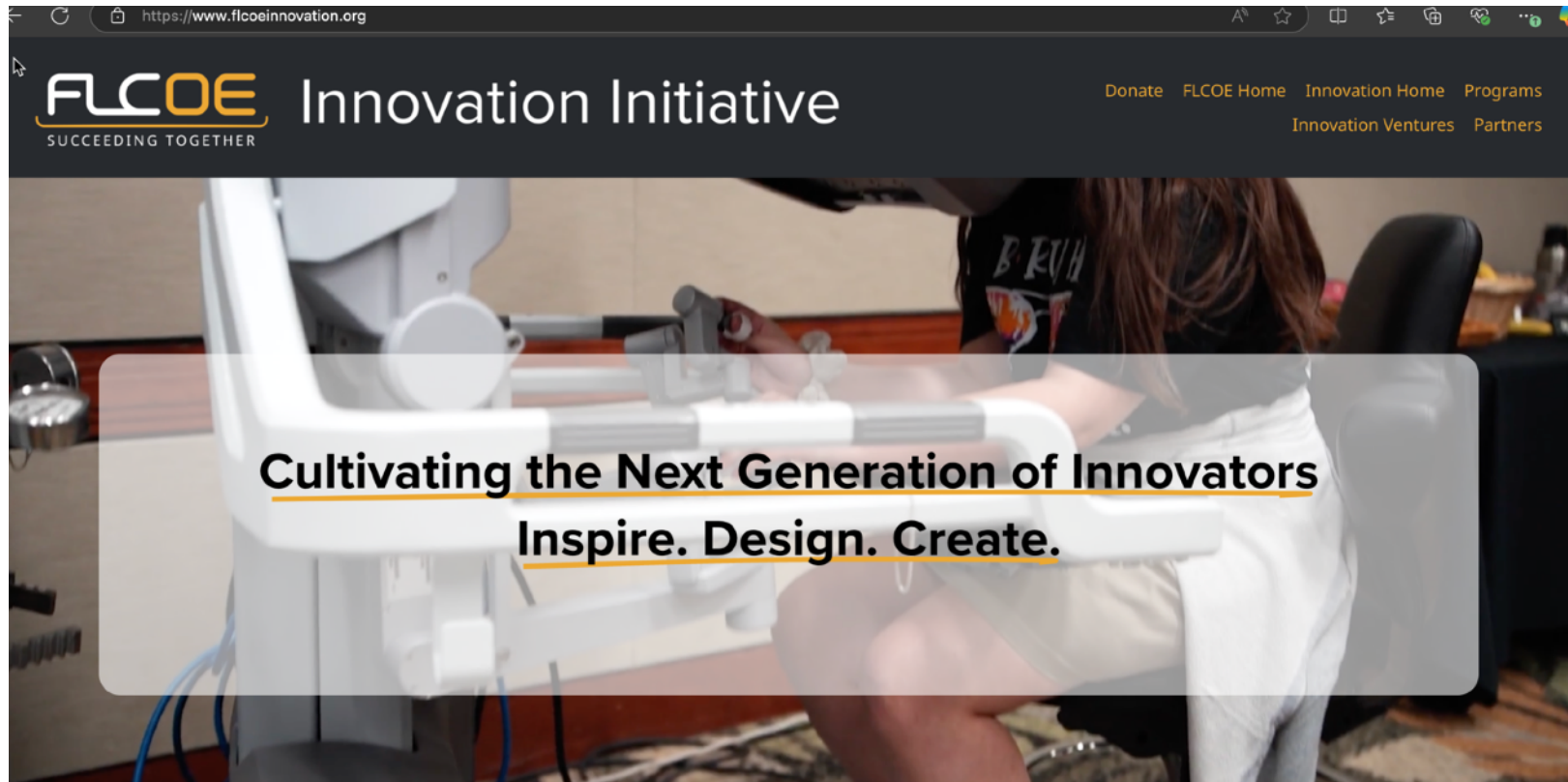




"A mind that is *stretched* by a new experience can never go back to its old dimensions."  
- Oliver Wendell Holmes, Jr.



# www.flcoeinnovation.org



**“Before I formed you in  
the womb I knew you.**

Launched in 2017, the FLCOE Innovation Initiative is  
dedicated to transforming education by fostering creativity,